

**From:** [John Nagle](#)  
**To:** [Nagle, John](#)  
**Subject:** Fw: Mount Tom BA Question # 9 Information  
**Date:** Thursday, June 20, 2013 2:42:59 PM

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----- Forwarded by John Nagle/R1/USEPA/US on 06/20/2013 02:42 PM -----

From: Christine Vaccaro <[christine.vaccaro@noaa.gov](mailto:christine.vaccaro@noaa.gov)>  
To: John Nagle/R1/USEPA/US@EPA  
Date: 07/30/2012 09:09 AM  
Subject: Re: Mount Tom BA Question # 9 Information

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Hi John,

Thanks for this information. Piecemeal is fine. Once you get all the information to me just give me a heads up, and I'll review it all and make sure we don't have any further big questions (others may come up) so that we may officially initiate consultation.

Cheers,  
Chris

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On Fri, Jul 27, 2012 at 2:15 PM, John Nagle <[Nagle.John@epamail.epa.gov](mailto:Nagle.John@epamail.epa.gov)> wrote:

Hi Chris:

I dug up some information from a past report submitted by the permittee regarding the influence of the cooling water intake structure. Please see the attached file. The information should address your questions in Question # 9 (below). Let me know if

you need additional information.

"9) Has there been modeling on the zone of influence from the CWIS? How far away from the intake are larvae/fish, etc. impinged from? You mention that the intake structure is the first point of contact, but is there a suction field that extends further and could pull small drifting larvae into the CWIS? Is there a gradient in the intake velocity? E.g., within 10 feet the intake velocity is 1.3 fps, but within 1 foot its 2.1 fps, etc.? Please detail further."

Thanks,

JHN

*(See attached file: Mt\_Tom\_Intake\_Zone\_of\_Influence\_Jan\_2008.docx)*

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